

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/US2004/042382

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N29/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/23892 A (SENSORCHEM INTERNATIONAL CORPORATION; THOMPSON, MICHAEL; HAYWARD, GORD) 5 April 2001 (2001-04-05) the whole document	1-30
A	WO 02/095940 A (MICROTECHNOLOGY CENTRE MANAGEMENT LIMITED; KALANAR-ZADEH, KOUROSH; WLO) 28 November 2002 (2002-11-28) the whole document	1-30
A	CA 2 369 720 A1 (IOWA STATE UNIVERSITY RESEARCH FOUNDATION) 30 July 2003 (2003-07-30) the whole document	1-30
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

24 June 2005

Date of mailing of the international search report

05 09-05

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Intern:

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/170474 A1 (QIAO TIECHENG A ET AL) 11 September 2003 (2003-09-11) the whole document -----	1-30
A	WO 03/068712 A (CNRS; INSTITUT CURIE; NASSOY, PIERRE; POTIER, MARIE-CLAUDE; TALINI, M.) 21 August 2003 (2003-08-21) the whole document -----	1-30
A	WO 00/16903 A (BIOSENSOR APPLICATIONS SWEDEN AB ; GAARDHAGEN, PETER; EDSTAM, KLAS; SA) 30 March 2000 (2000-03-30) the whole document -----	1-30

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 2-5(part),6-10, 11(part), 12(part) 13, 14(part),15-30

Acoustic sensors comprising organic compound structures with at least one sulfonylaminocarbonyl unit I,II,III or IV.

2. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising poly(meth)acrates not comprising a sulfonylaminocarbonyl unit I,II,III or IV.

3. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising polymers derived from N-vinylcarbazole.

4. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising VF2 containing fluoropolymers.

5. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising a polyepoxide.

INTERNATIONAL SEARCH REPORT

n on patent family members

Intern I Application No
PCT/US2004/042382

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0123892	A	05-04-2001	AU 7502100 A	30-04-2001
			WO 0123892 A1	05-04-2001
			CA 2386006 A1	05-04-2001
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			CN 1528050 A	08-09-2004
			EP 1393441 A1	03-03-2004
			JP 2004526977 T	02-09-2004
			US 2004133348 A1	08-07-2004

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			AU 2003226885 A1	04-09-2003
			CA 2475696 A1	21-08-2003
			EP 1474368 A2	10-11-2004
			WO 03068712 A2	21-08-2003
			JP 2005517902 T	16-06-2005
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			AU 6491699 A	10-04-2000
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			WO 0016903 A1	30-03-2000
